

(FILE 'HOME' ENTERED AT 11:00:58 ON 05 FEB 2003)

FILE 'REGISTRY' ENTERED AT 11:01:10 ON 05 FEB 2003

L1	0 S CPMP
L2	0 S CPMPA
L3	4 S CLOFIBRIC
L4	4 S CLOFIBRIC ACID
L5	1 S CLOFIBRIC ACID/CN

FILE 'CAPLUS, USPATFULL' ENTERED AT 11:09:56 ON 05 FEB 2003

L6	1061 S L5
L7	1202731 S STEM OR ROOT OR LEAF OR FOLIGE OR LEAVE OR SEED
L8	296875 S LEGUME OR ALFALFA OR BEAN OR PEA OR SOYABEAN OR SOYA BEAN
OR	
L9	1079735 S PLANT OR CROP
L10	23 S L5 AND L6 AND L7 AND L8 AND L9
L11	40 S L5 (P) L7
L12	7 S L11 AND L8 AND L9
L13	2 S L11 (P) L8 (P) L9

L12 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1973:53931 CAPLUS

DOCUMENT NUMBER: 78:53931

TITLE: Factors regulating auxin translocation in intact
bean seedlings

AUTHOR(S): Long, John; Basler, Eddie

CORPORATE SOURCE: Dep. Bot. Plant Pathol., Oklahoma State Univ.,
Stillwater, OK, USA

SOURCE: Plant Physiology (1973), 51(1), 128-35

CODEN: PLPHAY; ISSN: 0032-0889

DOCUMENT TYPE: Journal

LANGUAGE: English

AB When indole-3-acetic acid [87-51-4], 2,4-D [94-75-7], or 2,4,5-T [93-76-5], was injected into the **stem** of **bean** (*Phaseolus vulgaris*) seedlings, the acropetal translocation from the site of injection increased linearly with the amt. injected in the **plant**, within the range of 1-5 .mu.g/**plant**. P-chlorophenoxyisobutyric acid [882-09-7] injected simultaneously with 2,4,5-T enhanced the translocation of the latter to the growing shoots and primary **leaves**. Translocation to the **roots** was unaffected by p-chlorophenoxyisobutyric acid, whereas leaching of 2,4,5-T into the nutrient soln. was slightly enhanced. Steam girdling expts. revealed that 2,4,5-T reached the primary **leaves** from the site of injection via the xylem, whereas translocation beyond the primary **leaves** and into the young shoots was via the phloem. When injected simultaneously, cycloheximide [66-81-9] inhibited the accumulation of 2,4,5-T in young shoots, epicotyls, and **roots**, and enhanced accumulation in the primary **leaves**. The relative exchangeability of auxin between xylem and phloem is discussed in terms of regulation of auxin movement in intact **bean** seedlings.

1-20-Answer Step

2,2,3-not further
uniting

L21 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1991:687178 CAPLUS

DOCUMENT NUMBER: 115:287178

TITLE: Ophthalmic **composition** of angiostatic steroid-glucocorticoid combination for treatment of inflammation

INVENTOR(S): Clark, Abbot F.

PATENT ASSIGNEE(S): Alcon Laboratories, Inc., USA

SOURCE: PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 7

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9103245	A1	19910321	WO 1990-US4071	19900725
W: AU, CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE				
US 4945089	A	19900731	US 1989-399351	19890828
AU 9062952	A1	19910408	AU 1990-62952	19900725
AU 637824	B2	19930610		
EP 489779	A1	19920617	EP 1990-912700	19900725
EP 489779	B1	19980128		
R: AT, BE, CH, DE, DK, FR, GB, IT, LI, LU, NL, SE				
JP 05500054	T2	19930114	JP 1990-512212	19900725
WO 9903503	A1	19990128	WO 1998-US12711	19980618
W: AU, BR, CA, JP, MX, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9881515	A1	19990210	AU 1998-81515	19980618
AU 734195	B2	20010607		
EP 1003553	A1	20000531	EP 1998-931367	19980618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
BR 9811012	A	20001017	BR 1998-11012	19980618
JP 2001510170	T2	20010731	JP 2000-502798	19980618
PRIORITY APPLN. INFO.:				
			US 1989-399351	A 19890828
			US 1989-419226	A 19891010
			US 1987-139222	B1 19871229
			WO 1990-US4071	A 19900725
			US 1997-895184	A 19970716
			WO 1998-US12711	W 19980618

OTHER SOURCE(S): MARPAT 115:287178

AB Pharmaceutical **compns.** useful in the treatment of ophthalmic inflammation, and methods of treating ophthalmic inflammation with those **compns.**, are disclosed. The **compns.** contain a combination of a glucocorticoid and an angiostatic steroid, e.g. I [R1 = .beta.-Me, .beta.-Et; R2 = H, Cl; R3 = H, OH, alkoxy, etc., or R2R3 = O

or

double bond bridging C-9 and C-11, or R2 = .alpha.-F and R3 = .beta.-OH, or R2 = .alpha.-Cl and R3 = .beta.-Cl; R4 = H, Me, Cl, F; R5 = H, OH, F, Cl, Br, Me, Ph, vinyl, alkyl; R6 = H, Me; R9 = H, OH, Me, F, :CH2; R10 = H, OH, Me, or R10 forms a 2nd bond between C-16 and C-17; R12 = H or double bond with R14; R13 = H, OH, :O, OP(O)(OH)2, OC(O)(CH2)nCO2H (n = 2-6); R14 = H, double bond with R12; R15 = :O, OH; R23 = OH, OPO(O)(OH)2, etc. (with provisions and exclusions)]. The angiostatic steroid substantially prevents any significant increases in intraocular pressure

which might otherwise be experienced by the patient as a side effect of the glucocorticoid component of the compns. The therapeutic interaction of the 2 components therefore allows the potent anti-inflammatory properties of the glucocorticoids to be used without fear of elevating intraocular pressure. A formulation contg. tetrahydrocortexolone and dexamethasone is given.

IT 68-60-0D, Tetrahydrocortexolone, mixts. with glucocorticoids
136305-04-9

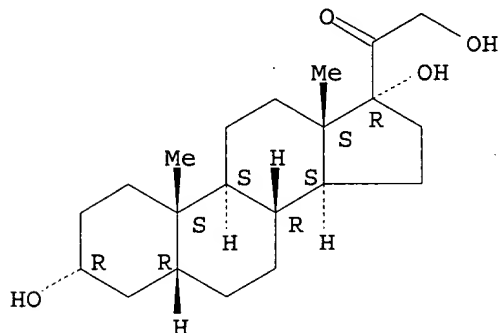
RL: BIOL (Biological study)

(anti-inflammatory ophthalmic pharmaceuticals
contg.)

RN 68-60-0 CAPLUS

CN Pregnan-20-one, 3,17,21-trihydroxy-, (3.alpha.,5.beta.)- (9CI) (CA INDEX
NAME)

Absolute stereochemistry.



RN 136305-04-9 CAPLUS

CN Pregna-1,4-diene-3,20-dione, 9-fluoro-11,17,21-trihydroxy-16-methyl-,
(11.beta.,16.alpha.)-, mixt. with (3.alpha.,5.beta.)-3,17,21-
trihoxypregnan-20-one (9CI) (CA INDEX NAME)

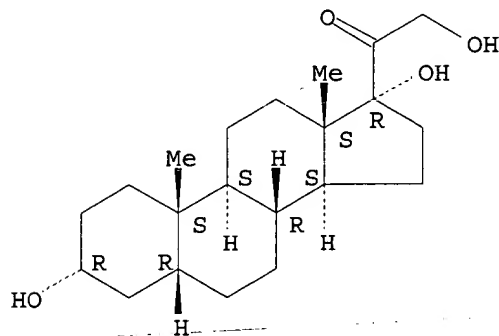
CM 1

CRN 68-60-0

CMF C21 H34 O4

CDES 4:3A,5B.PREGN

Absolute stereochemistry.



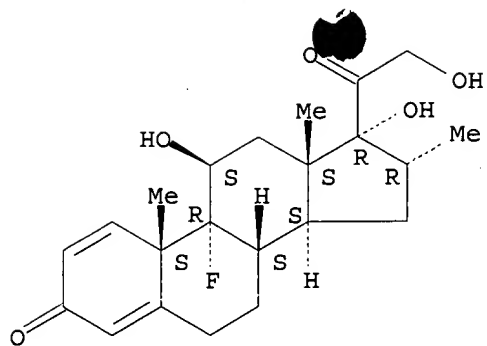
CM 2

CRN 50-02-2

CMF C22 H29 F O5

CDES 4:11B,16A.PREGN

Absolute stereochemistry.



FILE 'REGISTRY' ENTERED AT 09:40:22 ON 05 FEB 2003

L1 STRUCTURE UPLOADED

L2 7 S L1

L3 110 S L1 FULL

FILE 'CAPLUS, USPATFULL' ENTERED AT 09:42:11 ON 05 FEB 2003

L4 1222 S L3

L5 1079735 S PLANT OR CROP

L6 1202728 S SEED OR STEM OR ROOT OR LEAF OR LEAVE

L7 296875 S LEGUME OR ALFALFA OR BEAN OR PEA OR SOYABEAN OR SOYBEAN OR
SO

L8 23 S L4 AND L5 AND L6 AND L7

L9 41 S L4 (P) L6

L10 7 S L9 AND L7 AND L5

L11 2 S L9 (P) L7 (P) L5

L12 1041618 S STEM OR LEAF OR FOLIAGE OR LEAVE OR ROOT

L13 41 S L12 (P) L4

L14 8 S L13 AND L7

(FILE 'HOME' ENTERED AT 11:00:58 ON 05 FEB 2003)

FILE 'REGISTRY' ENTERED AT 11:01:10 ON 05 FEB 2003

L1 0 S CPMP
L2 0 S CPMPA
L3 4 S CLOFIBRIC
L4 4 S CLOFIBRIC ACID
L5 1 S CLOFIBRIC ACID/CN

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L6 1061 S L5
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OR
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L10 23 S L5 AND L6 AND L7 AND L8 AND L9
L11 40 S L5 (P) L7
L12 7 S L11 AND L8 AND L9
L13 2 S L11 (P) L8 (P) L9
L14 23 S L6 AND L7 AND L8 AND L9

FILE 'REGISTRY' ENTERED AT 11:36:15 ON 05 FEB 2003

L15 3154 S GLUCAN
L16 1 S GLUCAN/CN

FILE 'CAPLUS, USPATFULL' ENTERED AT 11:41:47 ON 05 FEB 2003

L17 2052 S L16
L18 0 S L12 AND L17
L19 52 S L17 (P) L7
L20 2 S L19 AND L8 AND L9

FILE 'REGISTRY' ENTERED AT 11:45:17 ON 05 FEB 2003

L21 1 S ORTHOVANADATE/CN
L22 1 S BENGAL ROSE/CN
L23 2 S L21 OR L22

FILE 'CAPLUS, USPATFULL' ENTERED AT 11:46:47 ON 05 FEB 2003

L24 1015987 S L23 OR COPPER
L25 15749 S L24 (P) L7
L26 43 S L23 (P) L7
L27 5 S L26 AND L8 AND L9
L28 1012738 S COPPER
L29 281297 S ROOT
L30 1092985 S INJECT?
L31 197480 S ?BEAN
L32 5264 S L29 (P) L30
L33 110 S L32 AND L28 AND L31
L34 1 S L32 (P) L28 (P) L31
L35 142384 S SOYABEAN OR SOYA BEAN OR SOYBEAN OR SOY BEAN
L36 659616 S LEAF OR FOLIAGE OR LEAVE
L37 16 S L23 (P) L36
L38 1 S L37 AND L35
L39 7960 S L28 (P) L36
L40 177 S L39 AND L35
L41 46 S L39 (P) L35
L42 36 S L41 AND L9
L43 24 S L41 (P) L9

L44	15094 S COPPER SALT?
L45	2 S L43 AND L44
L46	84 S L44 (P) L36
L47	5 S L46 AND L35